

What the invention claimed is:

1. A nail magazine used in a power nailing hand tool to hold and feed a rolled belt of nails comprised of a plurality of substantially L-shaped nails fastened together by a belt, each nail
5 of said belt of nails having a flat elongated nail body, an angled head extended from a top end of said nail body, a point extended from a bottom end of said nail body, and an upwardly extended and biased toothed strip on the middle of said nail body, the nail magazine comprising:

10 a casing;

a magazine shaft vertically disposed inside said casing at the center, said magazine shaft comprising an upright shaft upwardly extended from the center of a bottom wall inside said casing, and a nail carrier sleeve vertically movably mounted around
15 said upright shaft and adapted to carry said rolled belt of nails and to support the angled heads of the nails of the inner layer of said rolled belt of nails; and

a cover hinged to said casing, said cover defining with said casing a nail feed hole when closed on said casing.

20 2. The nail magazine as claimed in claim 1, wherein said magazine shaft further comprises a magazine spring mounted on said upright shaft and supporting said nail carrier sleeve above said upright shaft.

3. The nail magazine as claimed in claim 2, wherein said magazine shaft further comprises a tubular flange formed integral with the periphery of said upright shaft and defining with the periphery of said upright shaft and annular groove adapted to
5 accommodate said magazine spring.

4. The nail magazine as claimed in claim 3, wherein said tubular flange of said magazine shaft has at least one guide groove; said nail carrier sleeve has at least one raised portion projecting from an inside wall thereof and respectively coupled to said at least
10 one guide groove of said tubular flange to guide vertical movement of said nail carrier sleeve in said casing.

5. The nail magazine as claimed in claim 4, wherein said at least one guide groove each has a top open end, a short vertical section downwardly extended from said top open end, a long vertical section vertically extended toward a bottom side of said tubular flange, and a transverse section connected between a
15 bottom end of said short vertical section and an upper part of said long vertical section, said long vertical section having two distal ends closed.

20 6. The nail magazine as claimed in claim 1, wherein said magazine shaft further comprises a circular guide plate fastened to the periphery of said nail carrier sleeve and peripherally disposed in contact with an inside wall of said casing to guide vertical

movement of said nail carrier sleeve in said casing.

7. The nail magazine as claimed in claim 1, wherein said nail carrier sleeve has safety means adapted to prevent direct contact of the toothed strips of the nails of said rolled belt of nails
5 with the periphery of said nail carrier sleeve.

8. The nail magazine as claimed in claim 7, wherein said safety means is a collar extended around the periphery of said nail carrier sleeve.

9. The nail magazine as claimed in claim 1, wherein said
10 casing is a hollow circular open frame member having a stepped nail feeding wall in a peripheral open side thereof; said cover fits said casing, having a nail feeding wall formed in a peripheral open side thereof corresponding to the nail feeding wall of said casing and forming with the nail feeding wall of said casing said nail feed
15 hole upon closing of said cover on said casing.

10. The nail magazine as claimed in claim 9, wherein the nail feeding wall of said casing defines an inwardly sloping upper tread, a lower tread, and a riser between said upper tread and said lower tread.

20 11. The nail magazine as claimed in claim 10, wherein the nail feeding wall of said cover defines two triangular steps and a vertical face disposed between said triangular steps.

12. The nail magazine as claimed in claim 9, wherein said

casing further comprises a wear resistant face disposed at a bottom side of said nail feed hole.

13. The nail magazine as claimed in claim 9, wherein said casing has a retaining hole in the periphery thereof, and said cover
5 has a retaining rid projecting from an inside wall thereof and adapted to engage the retaining hole of said casing after closing of said cover on said casing.

14. The nail magazine as claimed in claim 1, wherein said casing comprises a vertical mounting rod and a horizontal
10 mounting rod respectively extended from the periphery thereof at two sides for mounting.